

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 July 2005 (14.07.2005)

PCT

(10) International Publication Number
WO 2005/062836 A3

(51) International Patent Classification⁷: **F16B 21/00**,
19/00

(21) International Application Number:
PCT/US2004/042807

(22) International Filing Date:
20 December 2004 (20.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03258061 19 December 2003 (19.12.2003) EP

(71) Applicant (for all designated States except US):
SOUTHCO, UK LTD. [GB/GB]; Wainwright Road,
Warndon, Worcester, Worcestershire WR3 1FA (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **CHURCHILL,**
Christopher [GB/GB]; c/o Dzus Fastener Europe Lim-
ited, Farnham Trading Estate, Farnham, Surrey GU9 9PL
(GB).

(74) Agents: **JESSEN, Derek, S.** et al.; Paul & Paul, 2900 Two
Thousand Market Street, Philadelphia, PA 19103 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

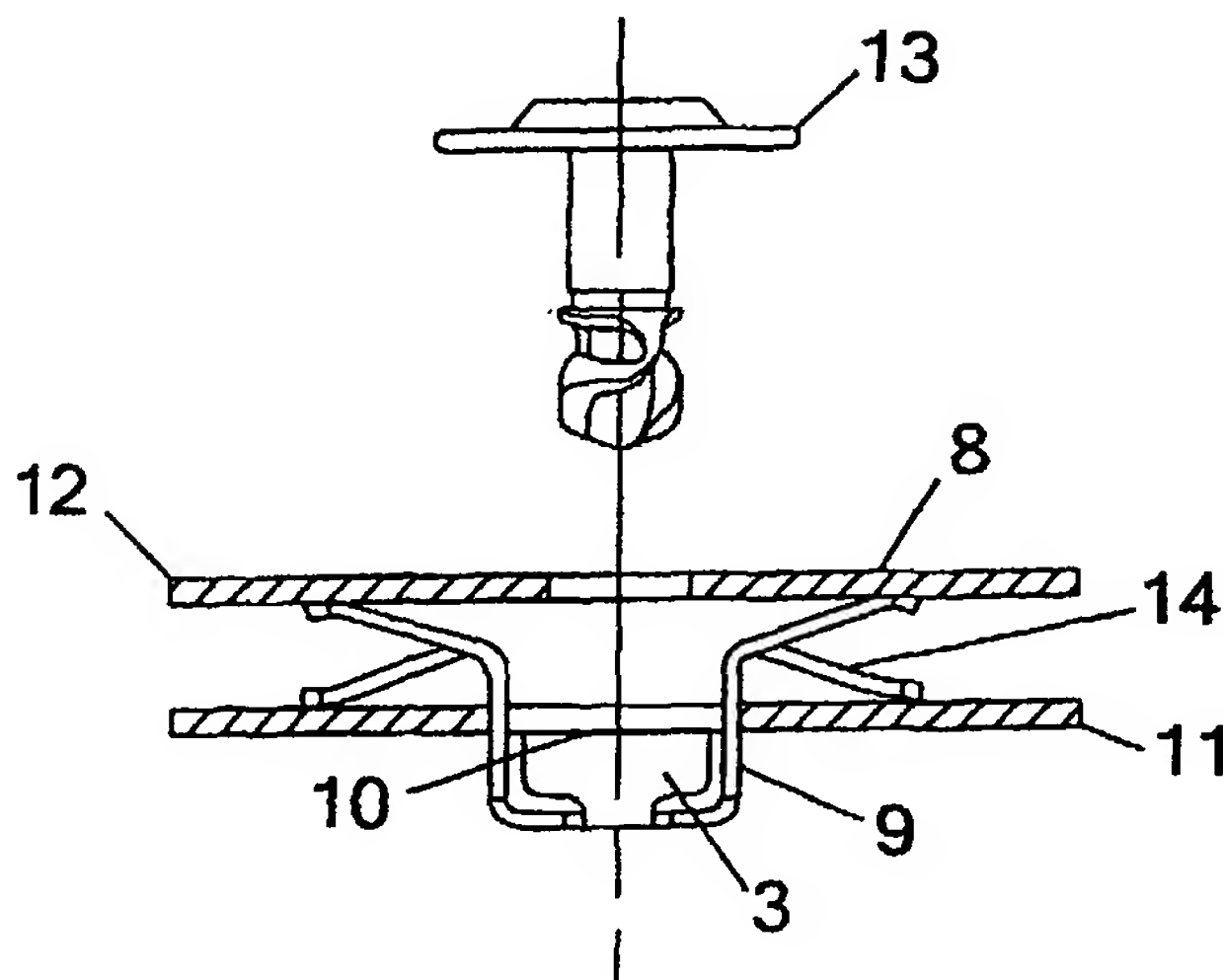
Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:
9 September 2005

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: ONE PART RECEPTACLE FOR A FASTENER



(57) Abstract: A one part receptacle for a fastener for insertion, in use, into a hole in a receiving component. The receptacle comprises a base with legs, at least one of the legs retaining the receptacle on a component in use. The base includes a hole for engaging, in use, with the fastener, and at least one leg is shaped to form a compliant mechanism which provides a compliant retaining force in the direction of insertion of the fastener. In use, the receptacle is inserted into the hole and retained thereon and provides compliance between the component on which it is retained and a second component attached thereto via the receptacle and fastener.

WO 2005/062836 A3